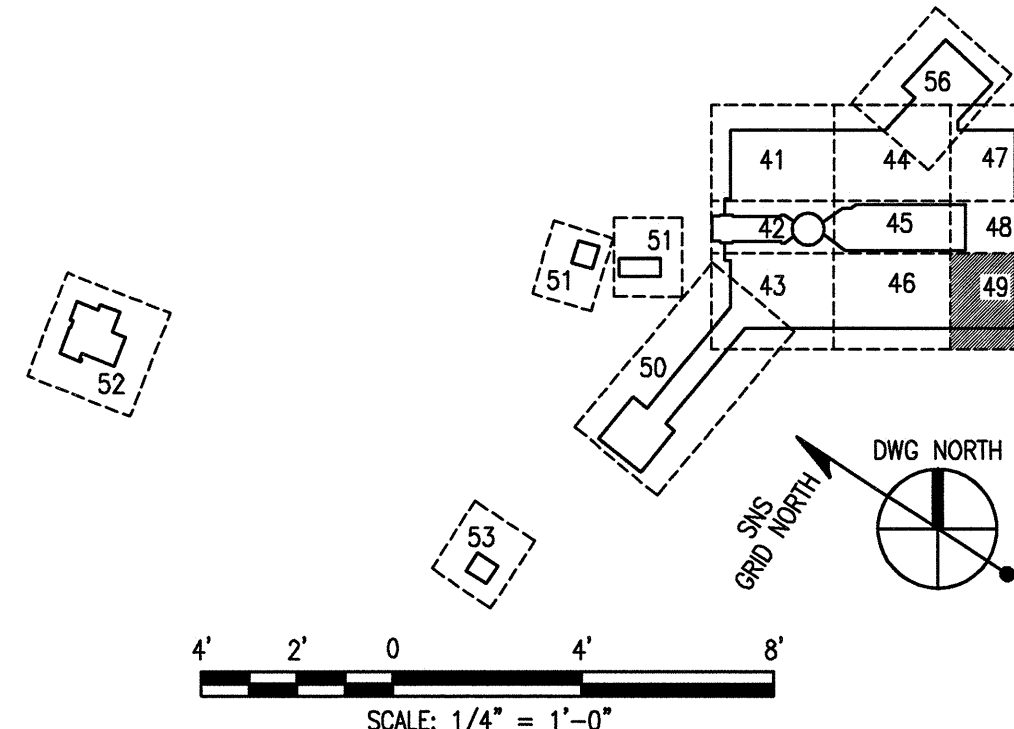
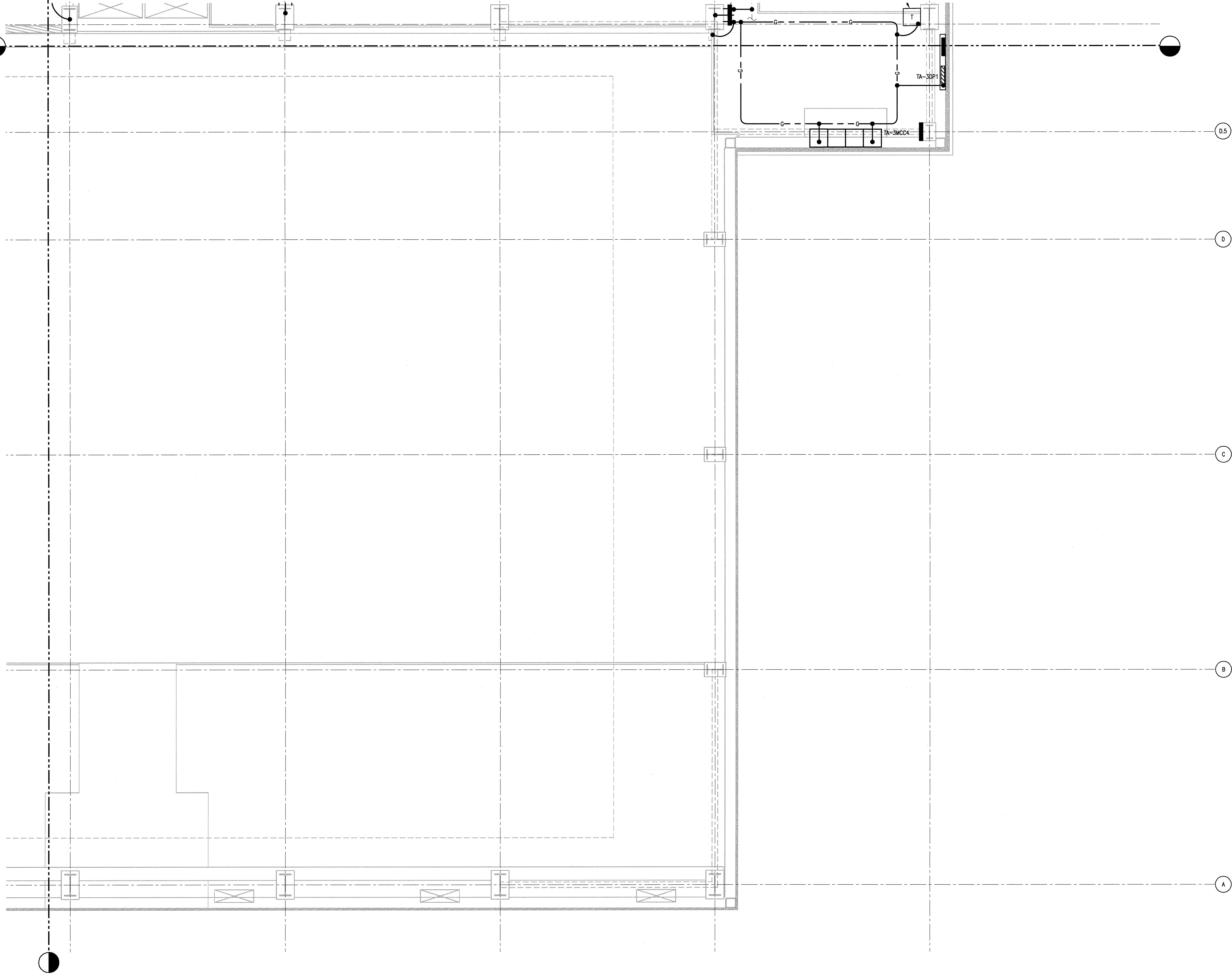


- NEXT ASS'Y: FINAL ASS'Y:
- GENERAL NOTES:**
1. NOT USED.
  2. ALL GROUNDING CONDUCTORS SHALL BE #4/0 STRANDED BARE COPPER (SBC), UNLESS NOTED OTHERWISE.
  3. ALL GROUND CONNECTIONS SHALL BE EXOTHERMIC.
  4. STUB-UP UNDERGROUND CONDUIT W/ GROUNDING BUSING.
  5. INSTALL GROUND BAR ON COLUMNS AS SHOWN. GROUND STEEL COLUMN TO THE GROUND BAR. IF INSTALLED ON THE COLUMN, UNLESS SHOWN OTHERWISE, GROUND ALTERNATE STEEL COLUMN AND REBAR DIRECTLY TO GROUND GRID CONDUCTORS.
  6. LIGHTNING PROTECTION SYSTEM DOWN CONDUCTORS TO BE ATTACHED TO STRUCTURAL STEEL OR CONCRETE COLUMNS WITH UL LISTED CONNECTORS.
  7. IN EACH AREA CONTAINING ELECTRICAL EQUIPMENT, ACCESS TO THE GROUNDING SYSTEM MUST BE AVAILABLE EITHER FROM STRUCTURAL STEEL OR THE BUILDING GROUND GRID.
  8. ALL GROUND CONDUCTORS SHOWN WITHIN THE BUILDING ARE EMBEDDED IN THE FLOOR CONCRETE.



108030700-E8E-8700-A229

**KNIGHT**  
Knight Advanced Technology

**UT-BATTELLE**  
Oak Ridge National Laboratory  
managed for the DEPARTMENT OF ENERGY under  
U.S. GOVERNMENT contract DE-AC05-00OR22725  
UT-BATTELLE, LLC, # Oak Ridge, Tennessee

PROJECT NAME:  
**SPALLATION NEUTRON SOURCE**

**TARGET BUILDING  
ELECTRICAL GROUNDING PLAN  
LEVEL 3, SECTOR 49**

REV	DATE	DESCRIPTION	BY	CHKD	DATE	REV	DATE	DESCRIPTION	BY	CHKD	DATE
1	4/8	49	50	PLANT	BLDG	FL	SH	OF	TYPE	CLASS	
3	E	X	X	8	8700		1	1	P	U	
51				53	WBS						
NC		NA		1.8.3.7							

E7.03.49

REV 0

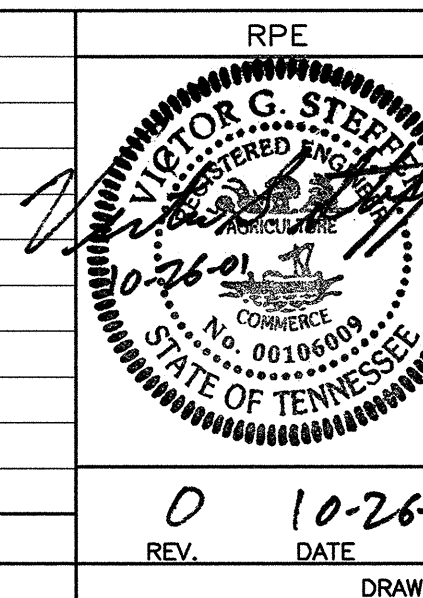
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THIS DOCUMENT CONTROLLED BY  
CHANGE CONTROL SYSTEM 3  
ENGINEERING PROCEDURE SNS-ENG-0001

SECTION AND DETAIL KEY

DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN

REV	DATE	DESCRIPTION	BY	CHKD	DATE	REV	DATE	DESCRIPTION	BY	CHKD	DATE
0	10/26/01	CERTIFIED FOR CONSTRUCTION - 10/26/01	HG	VGS	10/26/01	1	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01
1	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01	2	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01
3	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01	4	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01
5	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01	6	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01
7	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01	8	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01
9	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01	10	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01
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13	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01	14	11/15/01	11/15/01	11/15/01	11/15/01	11/15/01
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DSN H GROVER 10/26/01  
DRW L MAKOVSKY 10/26/01  
CHK V STEFFEN 10/26/01  
DSPT  
PE L Makovsky 11/15/01  
PJ R A Dean 11/15/01  
REQ

REV 0 10-26-01  
DATE 11/15/01  
UTB  
DRAWING APPROVALS